

Customer No.: 31561  
Application No.: 10/707,354  
Docket No.: 10465-US-PA

## Amendments

### In the Claims

1. (currently amended) A circuit for enhancing a slew rate by providing an  
assistant current to a main output stage having a main current, comprising:

a monitoring stage for receiving a signal from a the main output stage and  
outputting a decayed push signal and a decayed pull signal; and

an assistant output stage for receiving the decayed push signal and the decayed  
pull signal to output an assistant current[[.]], whereby the slew rate can be enhanced  
by adding the assistant current to the main current.

2. (original) The circuit of claim 1, wherein the assistant current further feeds  
back to the main output stage.

3. (original) The circuit of claim 1, wherein the assistant current is turned on  
automatically after the main current is turned on.

4. (original) The circuit of claim 1, wherein the assistant current is turned off  
automatically before the main current is turned off.

5. (currently amended) A method for providing a push current and a pull  
current to a system having a main current, comprising:

detecting a first input and a second input;

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generating a push current when a voltage of the second input is larger than a voltage of the first input and is enough to turn on at least one of the switches; and

generating a pull current when a voltage of the first input is larger than a voltage of the second input and is high enough to turn on at least one of a plurality of switches.

6. (original) The method of claim 5, wherein the push current and the pull current further feed back to one of the first input and the second input.

7. (currently amended) The method of claim 5, wherein the push current and the pull current ~~is~~ are turned on automatically after the main current is turned on.

8. (currently amended) The method of claim 5, wherein the push current and the pull current ~~is~~ are turned off automatically before the main current is turned off.

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